

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/029605

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B29C70/22 B29C70/54

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B29C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 909 845 A (TORAY INDUSTRIES) 21 April 1999 (1999-04-21) page 6, paragraph 61; claim 7; figures 3,4	1-34
P,X	EP 1 419 875 A (TORAY INDUSTRIES) 19 May 2004 (2004-05-19) page 22, line 49 - page 23, line 4; figures	1-34
A	EP 0 270 411 A (BROCHIER SA) 8 June 1988 (1988-06-08) claims 1,6	1-34

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

13 January 2005

Date of mailing of the international search report

20/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Van Wallene, A

INTERNATIONAL SEARCH REPORT

formation on patent family members

International Application No

PCT/US2004/029605

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0909845	A	21-04-1999	AU 743038 B2	17-01-2002
			AU 7856298 A	11-02-1999
			CA 2244361 A1	04-02-1999
			CN 1210913 A	17-03-1999
			EP 0909845 A1	21-04-1999
			HU 9801783 A2	28-04-2000
			JP 11107105 A	20-04-1999
			TW 475953 B	11-02-2002
EP 1419875	A	19-05-2004	EP 1419875 A1	19-05-2004
			US 2004241415 A1	02-12-2004
EP 0270411	A	08-06-1988	FR 2605929 A1	06-05-1988
			AT 58329 T	15-11-1990
			AU 601508 B2	13-09-1990
			AU 8066987 A	12-05-1988
			CA 1331946 C	13-09-1994
			DE 3766228 D1	20-12-1990
			EP 0270411 A1	08-06-1988
			GR 3001381 T3	11-09-1992
			JP 7081224 B	30-08-1995
			JP 63203844 A	23-08-1988
			US 5484642 A	16-01-1996